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Gross Automation’s Global Sales

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International Standards IP Protection Classification Data

The letters IP followed by three characteristic numbers symbolize the degree of protection.

First Digit Protection Against Solid Bodies

IP	Test
0	No protection
1	Protection against solid bodies larger than 50 mm (for example accidentally touching with the hand)
2	Protection against solid bodies larger than 12 mm (for example a finger)
3	Protection against solid bodies larger than 2.5 mm (tools, wires)
4	Protection against solid bodies larger than 1 mm (tools, small wires)
5	Protection against dust (no harmful deposits)
6	Complete protection against dust

Second Digit Protection Against Liquids

IP	Test
0	No protection
1	Protection against vertical water drops condensation
2	Protected against water drops at up to 15° from the vertical
3	Protected against rain at up to 60° from the vertical
4	Protected against water splashing from all directions
5	Protected against water sprayed from a hose from all directions
6	Protected against water projections similar to sea wave splashes
7	Protected against the effector immersion
8	Protected against effects of prolonged immersion under pressure